Creation Date : October 12, 2022 (GMT)

SMD / SMT Inductors (Coils)

MLG0402Q6N8JT000

RoHS Reach Halogen Free Pb Free

Applications	Commercial Grade
Feature	Multilayer Non-Mag Core Non-Magnetic Core (Dielectric Ceramic) High Q High Q
Series | Type	MLG-Q
Status	Production
Brand	TDK

Size	
Length(L)	0.40mm ±0.02mm
Width(W)	0.20mm ±0.02mm
Thickness | Height	0.20mm ±0.02mm
Recommended Land Pattern (A)	0.15mm to 0.20mm
Recommended Land Pattern (B)	0.20mm Nom.
Recommended Land Pattern (C)	0.18mm to 0.20mm

Electrical Characteristics	
Inductance	6.8nH ±5% at 100MHz
Rated Current	140mA
DC Resistance [Typ.]	1.12Ω
DC Resistance [Max.]	1.6Ω
Self Resonant Frequency [Min.]	5.5GHz
Self Resonant Frequency [Typ.]	6.9GHz
Q [Min.]	2 at 100MHz
Q [Typ.]	3 at 100MHz

Other	
Operating Temp. Range (Including Self-Temp. Rise)	-55 to 125°C
Soldering Method	Reflow
AEC-Q200	NO
Packing	Punched (Paper)Taping [180mm Reel, Tape width 8mm]
Package Quantity	20000pcs
Weight	0.00007g

! Images are for reference only and show exemplary products.
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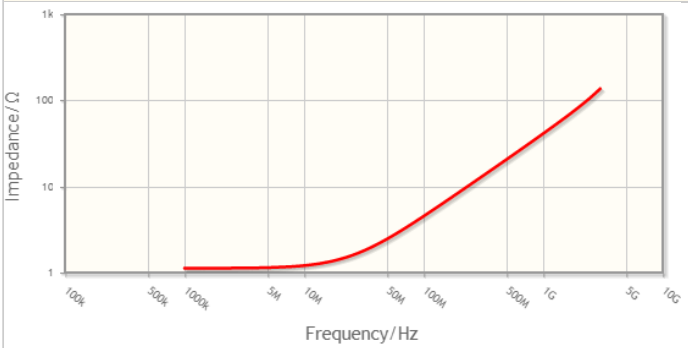
Characteristic Graphs(This is reference data, and does not guarantee the products characteristics.)

Impedance



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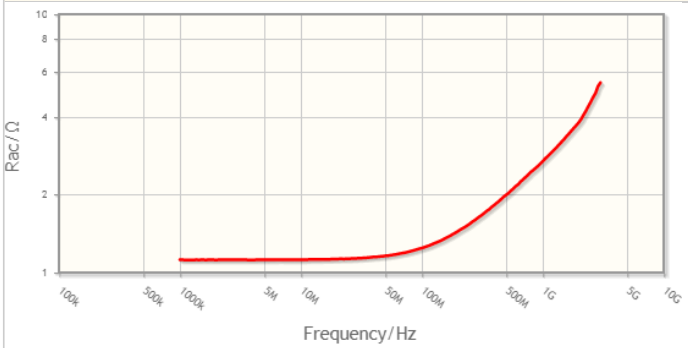
Rac



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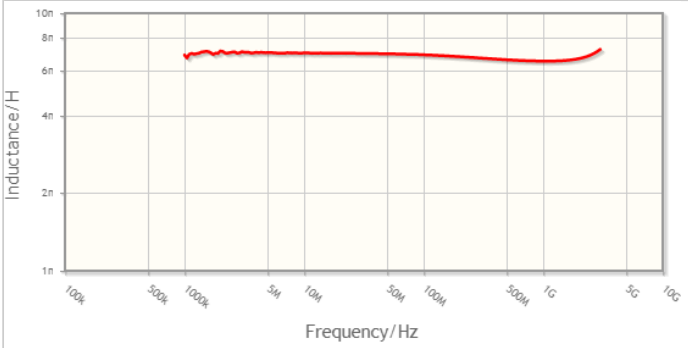
Inductance



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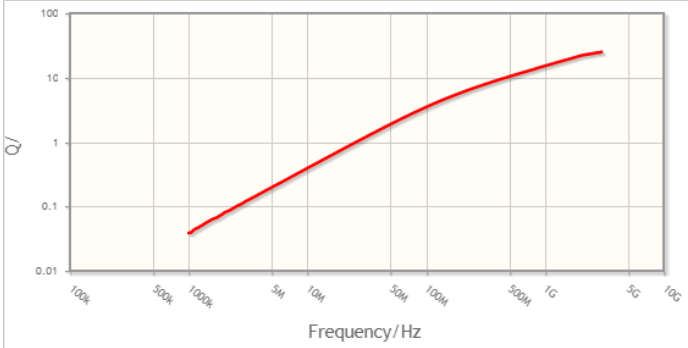
Q



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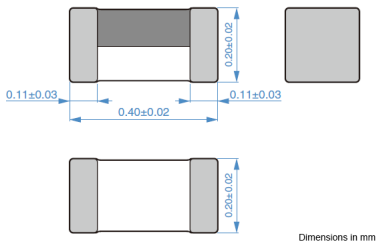
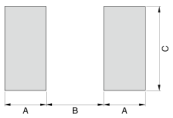
Associated Images

Shapes and Dimensions



Land Pattern (Terminal Connection)



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